PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

V. N. MALLIKARJUNA RAO ET. AL.

CASE NO.: CL2372USPCT

APPLICATION NO.: 10/572627

**CONFIRMATION NO.:** 

**GROUP ART UNIT:** 

**EXAMINER:** 

FILED: MARCH 17, 2006

FOR: PROCESS FOR THE PREPARATION OF 1,1,1,3,3-

PENTAFLUOROPROPANE AND 1,1,1,3,3,3-HEXAFLUOROPROPANE

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. Applicants note that U.S. Application No. 10/572,626, U.S. Application No. 10/572,625 and U.S. Application No. 10/572,628 represent national filings of WO 2005/037743, WO 2005/037742 and WO 2005/037431 respectively -- Accordingly, no further copies of those U.S. applications are enclosed. The dates listed for those U.S. applications represent the PCT filing dates rather than publication dates.

A copy of the other information, if required, is enclosed. Applicants note that a copy of the International Search Report has already been submitted; and that based on the International Search Report, U.S. Patent No., 5,171,901 appears to be a family member of EP 0 442 075 and AU 94/80340 appears to be a family member of EP 0 657 408.

Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. **04-1928** (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

**DAVID E. HEISER** 

Attorney for Applicants
Registration No.: 31,366
Telephone: (302) 892-1926

Facsimile: (302) 892-7949

Dated: August 14, 2006

T:\Patent Documents\CR&D\CL-22xx-CL-23xx\CL-2372\US PCT IDS.doc

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known **Application Number** 10/572627 INFORMATION DISCLOSURE Filing Date MARCH 17, 2006 STATEMENT BY APPLICANT First Named Inventor VELLIYUR NOTT MALLIKARJUNA RAO Group Art Unit **UNKNOWN** (Use as many sheets as necessary) **Examiner Name** UNKNOWN Sheet of CL2372USPCT Attorney Docket Number

|                        |              |   |              | U.S. PAT                       | ENT DOCUMENTS                                      |   |
|------------------------|--------------|---|--------------|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No.1 | Document Number  Number - Kind Code <sup>2</sup> (if known) |              | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |              | US -  | 2,942,036    | 06-21-1960                     | SMITH ET AL.                                       |   |
|                        |              | US -  | 3,865,885    | 02-11-1975                     | BRUCE, JR.   |   |
|                        |              | US -  | 3,878,257    | 04-15-1975                     | BRUCE, JR.   |   |
|                        |              | US-   | 5,136,113    | 08-04-1992                     | RAO  |   |
|                        |              | US -  | 5,281,568    | 01-25-1994                     | SCOTT ET AL.                                       |   |
|                        |              | US -  | 5,414,165    | 05-09-1995                     | NAPPA ET AL.                                       |   |
|                        |              | US -  | 5,449,656    | 09-12-1995                     | SCOTT ET AL.                                       |   |
|                        |              | US -  | 5,545,774    | 08-13-1996                     | RAO  |   |
|                        |              | US -  | 5,623,092    | 04-22-1997                     | SCOTT ET AL.                                       |   |
|                        |              | US-   | 5,663,464    | 09-02-1997                     | OKAMOTO ET AL.                                     |   |
|                        |              | US -  | 5,714,655    | 02-03-1998                     | YAMAMOTO ET AL.                                    |   |
|                        |              | US -  | 5,763,706    | 06-09-1998                     | TUNG ET AL.  |   |
|                        |              | US -  | 5,902,911    | 05-11-1999                     | RAO ET AL.   |   |
|                        |              | US -  | 5,945,573    | 08-31-1999                     | NAPPA ET AL.                                       |   |
|                        |              | US-   | 6,066,769    | 05-23-2000                     | NAPPA ET AL.                                       |   |
|                        |              | US -  | 6,291,730    | 09-18-2001                     | BAKER ET AL.                                       |   |
| •                      |              | US -  | 6,376,727    | 04-23-2002                     | RAO ET AL.   |   |
|                        |              | US -  | 6.403.524    | 06-11-2002                     | SCOTT ET AL.                                       |   |
|                        |              | US -  | 6,540,933    | 04-01-2000                     | SIEVERT ET AL.                                     |   |
|                        |              | US -  | 2001/0011061 | 08-02-2001                     | SCOTT ET AL.                                       | •   |

| FOREIGN PATENT DOCUMENTS |      |  |                                |                                     |   |                |  |  |  |
|--------------------------|------|--|--------------------------------|-------------------------------------|---|----------------|--|--|--|
| Examiner<br>Initials*    | Cite | Foreign Patent Document  | Publication Date<br>MM-DD-YYYY | Name of Patentee or                 | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant |                |  |  |  |
|                          | No.1 | CountryCode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                | Applicant of Cited Document         | Figures Appear  | T <sub>6</sub> |  |  |  |
|                          |      | AU-A 94/80340  | 06-15-1995                     | ELF ATOCHEM                         |   |                |  |  |  |
|                          |      | EP 0 611 744   | 08-24-1994                     | BAYER AG                            |   |                |  |  |  |
|                          |      | ` EP 0 442 075   | 08-21-1991                     | BAYER AG                            | •   |                |  |  |  |
|                          | •    | EP 0 657 408   | 06-14-1995                     | ELF ATOCHEM S.A.                    |   |                |  |  |  |
|                          | .,   | EP.0.502.605   | _ 09-09-1992                   | IMPERIAL CHEMICALINDUSTRIES PLC     | A uman Ammadu a for a sandifracture                           |                |  |  |  |
|                          |      | , WO 98/10862  | 03-19-1998                     | IMPERIAL CHEMICAL<br>INDUSTRIES PLC |   |                |  |  |  |
|                          |      | / WO2005/037743  | 04-28-2005                     | E.I. DU PONT                        | ·   |                |  |  |  |
|                          |      | WO2005/037742  | 04-28-2005                     | E.I. DU PONT                        |   |                |  |  |  |
|                          |      | WO2005/037431  | 04-28-2005                     | E.I. DU PONT                        |   |                |  |  |  |

|                       | <br>               |   |
|-----------------------|--------------------|---|
| Examiner<br>Signature | Date<br>Considered | · |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paper vork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute kingsom 1449A/Rts

Complete if Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of

| Complete if Known      |                                |  |  |  |  |  |
|------------------------|--------------------------------|--|--|--|--|--|
| Application Number     | 10/572627                      |  |  |  |  |  |
| Filing Date            | MARCH 17, 2006                 |  |  |  |  |  |
| First Named Inventor   | VELLIYUR NOTT MALLIKARJUNA RAO |  |  |  |  |  |
| Group Art Unit         | UNKNOWN                        |  |  |  |  |  |
| Examiner Name          | UNKNOWN                        |  |  |  |  |  |
| Attorney Docket Number | CL2372USPCT                    |  |  |  |  |  |

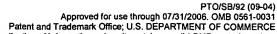
|                        |              |   |            | U.S. PATE                   | NT DOCUMENTS                                       | -   |
|------------------------|--------------|---|------------|-----------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No.1 | Document Number  Number – Kind Code <sup>2</sup> (if known) |            | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |              | US -  | 5,171,901  | 12-15-1992                  | GASSEN ET AL.                                      |   |
|                        |              | UŞ -  | 5,036,036  | 07-30-1991                  | LEROU  |   |
|                        |              | US -  | 10/572,626 | 10-13-2004                  | RAO ET AL.   |   |
|                        |              | US -  | 10/572,625 | 10-13-2004                  | RAO ET AL.   |   |
|                        |              | US -  | 10/572,628 | 10-13-2004                  | AMOS ET AL.  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US-   |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            | •                           |  |   |
|                        |              | US-   |            |                             |  |   |
|                        |              | US -  |            |                             | ,  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             | ·  |   |
|                        |              | US -  |            |                             |  |   |
|                        |              | US -  |            |                             |  |   |

|           | FOREIGN PATENT DOCUMENTS |  |                  |                             |   |                  |  |  |  |  |
|-----------|--------------------------|--|------------------|-----------------------------|---|------------------|--|--|--|--|
| Examiner  | Cite<br>No.1             | Foreign Patent Document  | Publication Date | Name of Patentee or         | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |                  |  |  |  |  |
| Initials* |                          | CountryCode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | MM-DD-YYYY       | Applicant of Cited Document |   | Τ <sub>6</sub> ΄ |  |  |  |  |
| V-        |                          | -  |                  |                             |   |                  |  |  |  |  |
|           |                          |  |                  |                             |   |                  |  |  |  |  |
|           |                          |  |                  |                             |   |                  |  |  |  |  |
|           |                          |  |                  |                             |   |                  |  |  |  |  |
|           |                          |  |                  |                             |   |                  |  |  |  |  |
|           | ;                        |  |                  |                             |   |                  |  |  |  |  |
|           |                          |  |                  | -                           |   |                  |  |  |  |  |
|           |                          |  |                  |                             |   |                  |  |  |  |  |
|           |                          |  |                  |                             |   |                  |  |  |  |  |

| Examiner<br>Signature | Date<br>Considered |  |
|-----------------------|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Deborah M. Jones Typed or printed name of person signing Certificate 302 992 4943 Registration Number, if applicable Telelphone Number Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper. 10/572627 CL2372USPCT- Information Disclosure Statement, PTO/SB/08A and PTO/SB/08B form and References

Page \_\_\_\_\_ of \_\_\_\_